

Data File : VX012194.D
Acq On : 08 Sep 2019 01:36
Operator : SY/SP
Sample : K4602-17
Misc : 5.35g/5.0mL/MSVOA_X/SOIL
ALS Vial : 32 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
PAR-D4-(0)

Quant Time: Sep 08 07:49:05 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X090319S.M
Quant Title : SW846 8260
QLast Update : Tue Sep 03 15:26:48 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	152134	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	262063	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	226973	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	93350	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	102614	48.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.76%	
35) Dibromofluoromethane	5.48	113	78803	48.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.80%	
50) Toluene-d8	8.71	98	305454	51.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.30%	
62) 4-Bromofluorobenzene	11.14	95	118847	43.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.42%	

Target Compounds

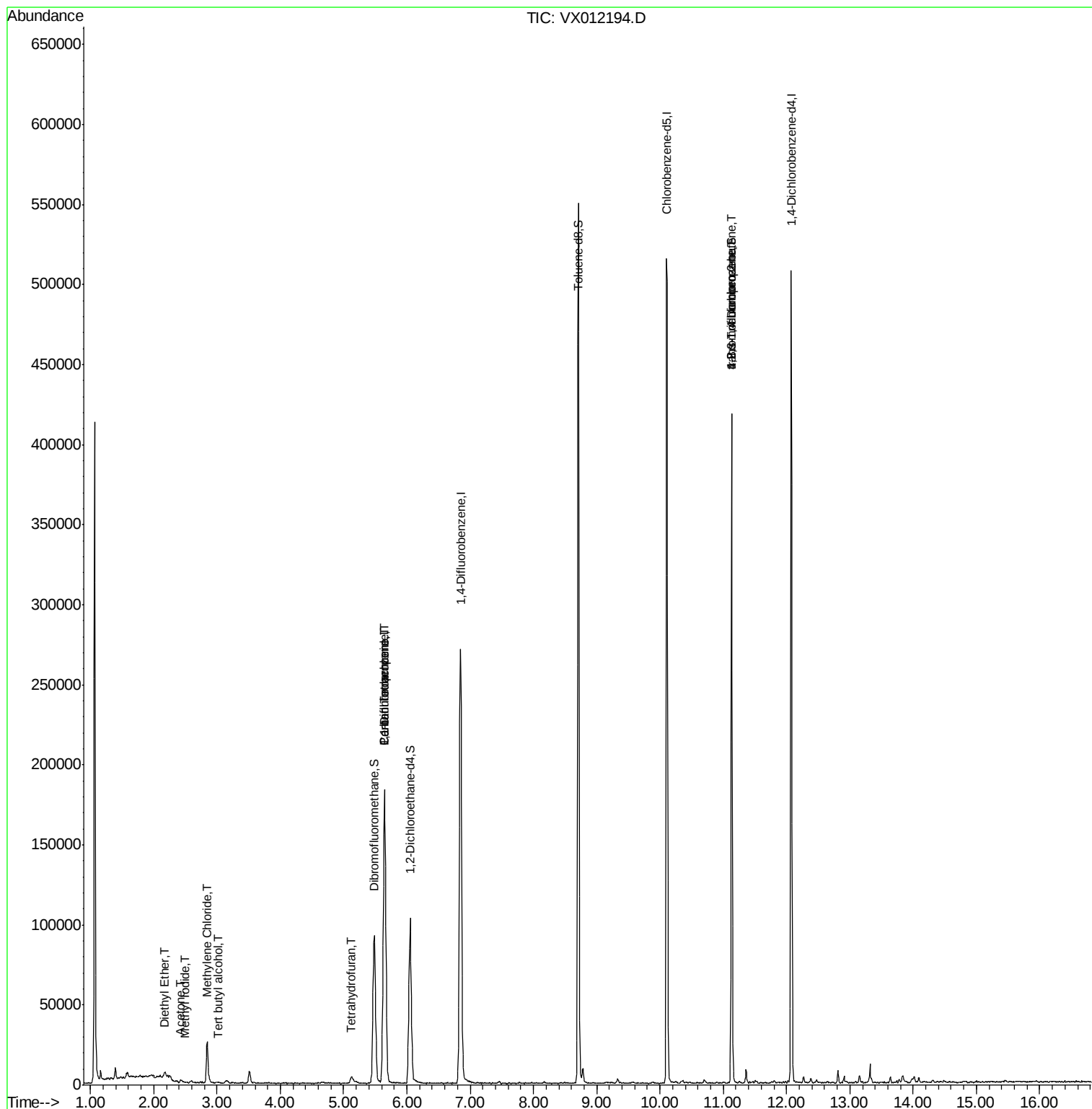
						Qvalue
8) Diethyl Ether	2.17	74	1293	1.782	ug/l	95
10) Methyl Iodide	2.50	142	361	7.185	ug/l #	78
11) Tert butyl alcohol	3.03	59	761	3.774	ug/l #	73
13) Acrolein	2.27	56	161	Below Cal	#	12
16) Acetone	2.42	43	1442	2.874	ug/l	94
20) Methylene Chloride	2.84	84	12082	5.997	ug/l	90
29) Tetrahydrofuran	5.12	42	3715	9.654	ug/l	90
36) 1,1-Dichloropropene	5.64	75	13667	5.921	ug/l #	49
38) Carbon Tetrachloride	5.65	117	18018	7.408	ug/l #	15
76) 1,2,3-Trichloropropane	11.14	75	62495	54.792	ug/l #	31
81) trans-1,4-Dichloro-2-buten	11.14	75	62495	129.536	ug/l #	10

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.00 min

Lab File: VX012194.D

Acq: 08 Sep 2019 01:36

Instrument :

MSVOA_X

ClientSampleId :

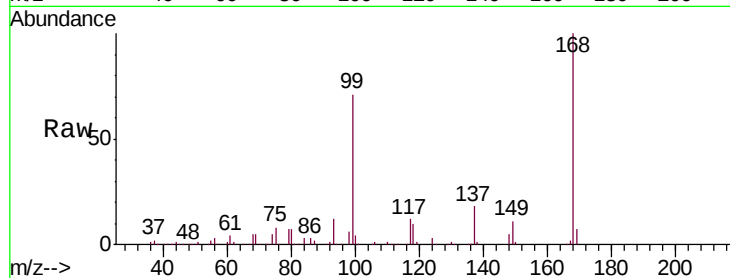
PAR-D4-(0)

Tgt Ion:168 Resp: 152134

Ion Ratio Lower Upper

168 100

99 71.4 37.6 56.4#



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

60000

50000

40000

30000

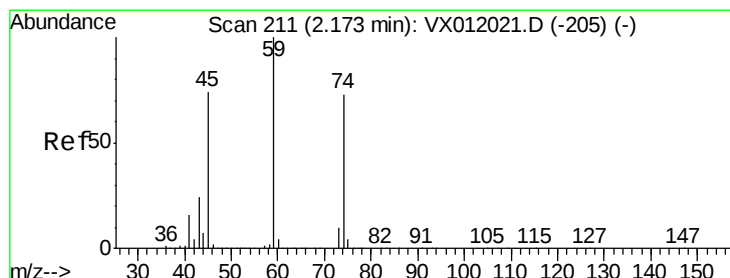
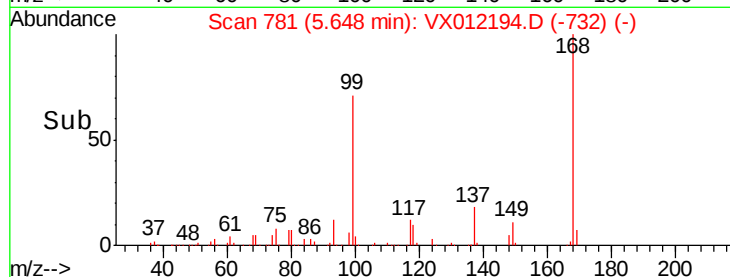
20000

10000

0

Time-->

5.50 5.60 5.70



#8

Diethyl Ether

Concen: 1.782 ug/l

RT: 2.17 min Scan# 211

Delta R.T. -0.00 min

Lab File: VX012194.D

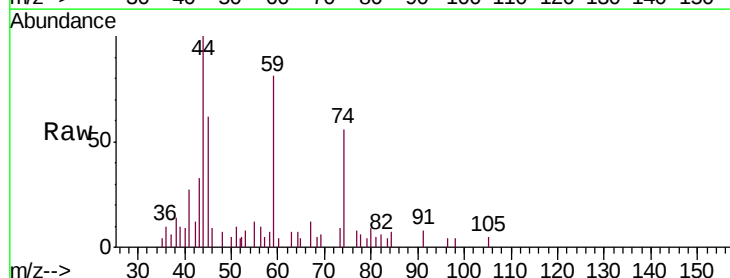
Acq: 08 Sep 2019 01:36

Tgt Ion: 74 Resp: 1293

Ion Ratio Lower Upper

74 100

45 96.5 45.9 137.6



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0

2.17

800

600

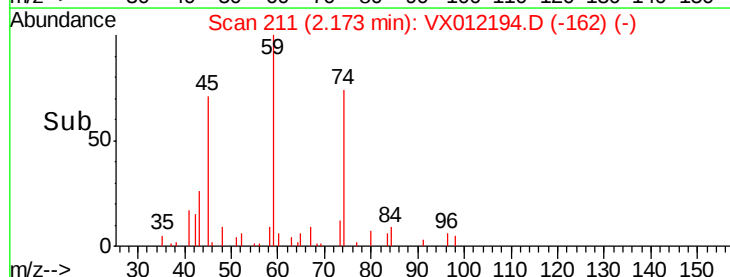
400

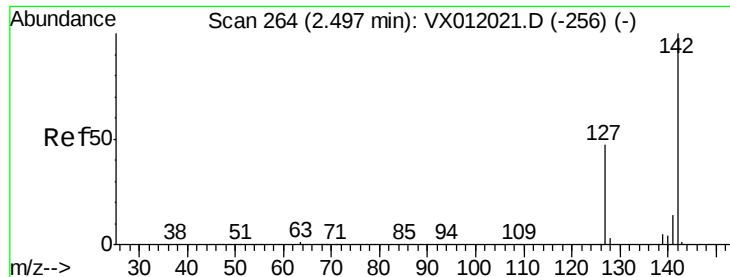
200

0

Time-->

2.10 2.15 2.20 2.25

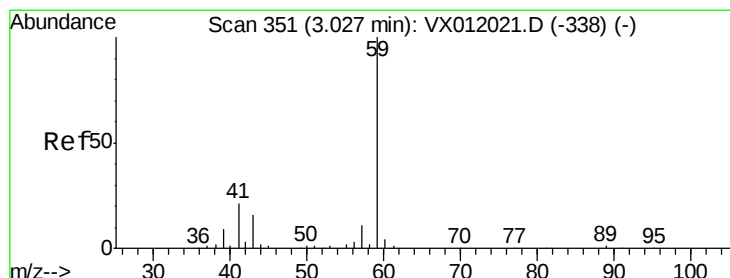
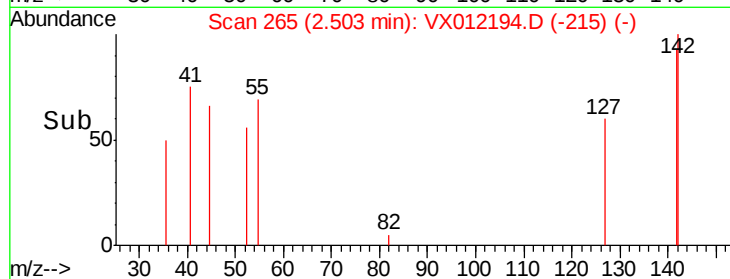
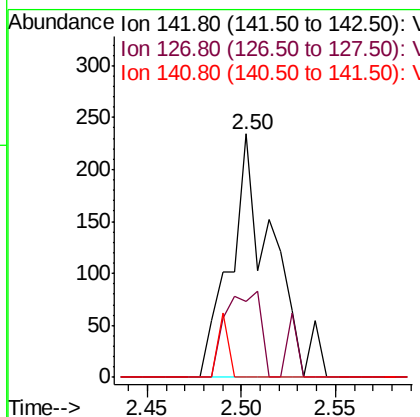
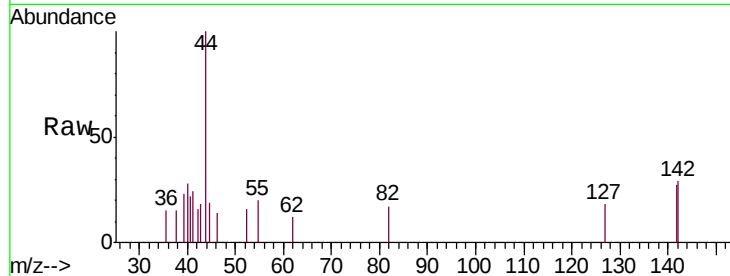




#10
Methyl Iodide
Concen: 7.185 ug/l
RT: 2.50 min Scan# 265
Delta R.T. 0.01 min
Lab File: VX012194.D
Acq: 08 Sep 2019 01:36

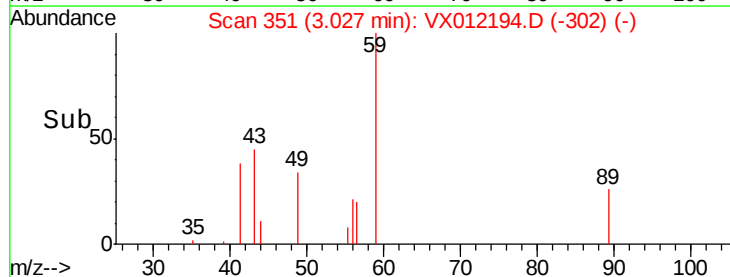
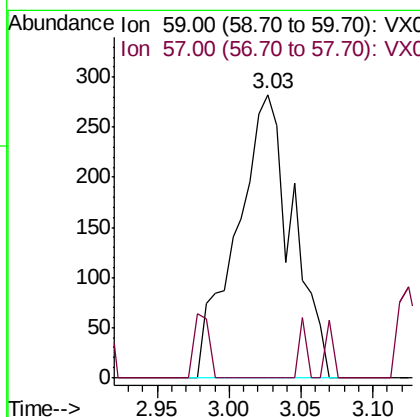
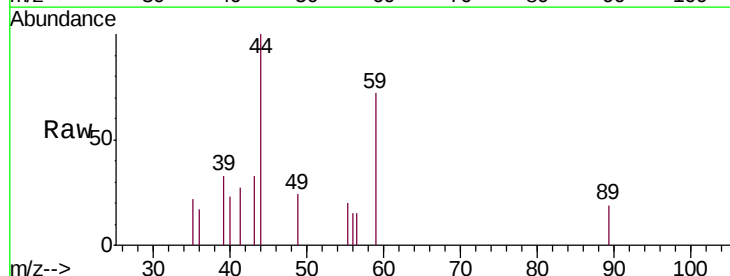
Instrument :
MSVOA_X
ClientSampled :
PAR-D4-(0)

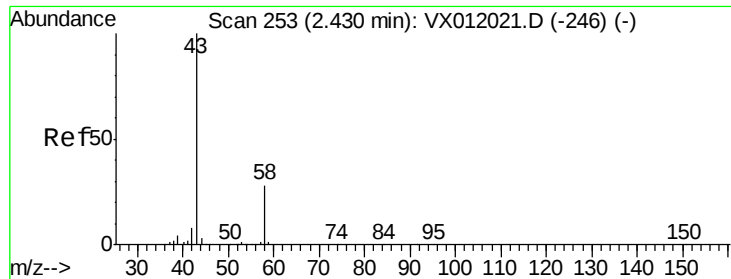
Tgt Ion: 142 Resp: 361
Ion Ratio Lower Upper
142 100
127 29.4 35.4 53.2#
141 6.4 11.4 17.2#



#11
Tert butyl alcohol
Concen: 3.774 ug/l
RT: 3.03 min Scan# 351
Delta R.T. -0.00 min
Lab File: VX012194.D
Acq: 08 Sep 2019 01:36

Tgt Ion: 59 Resp: 761
Ion Ratio Lower Upper
59 100
57 0.0 7.9 11.9#





#16

Acetone

Concen: 2.874 ug/l

RT: 2.42 min Scan# 252

Delta R.T. -0.01 min

Lab File: VX012194.D

Acq: 08 Sep 2019 01:36

Instrument :

MSVOA_X

ClientSampleId :

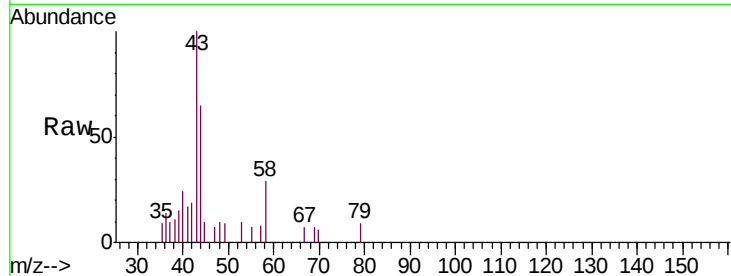
PAR-D4-(0)

Tgt Ion: 43 Resp: 1442

Ion Ratio Lower Upper

43 100

58 31.4 22.8 34.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

Time-->

2.40 2.45

2.42

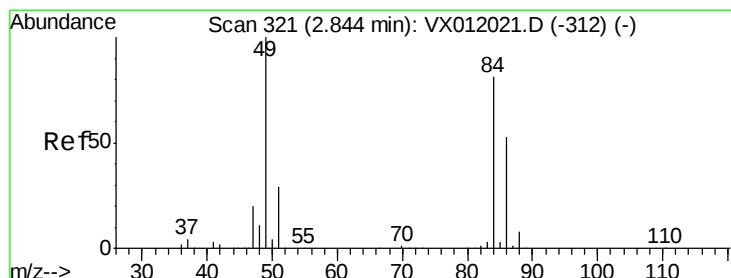
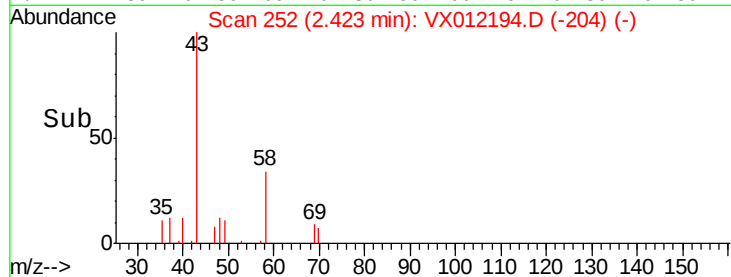
800

600

400

200

0



#20

Methylene Chloride

Concen: 5.997 ug/l

RT: 2.84 min Scan# 321

Delta R.T. -0.00 min

Lab File: VX012194.D

Acq: 08 Sep 2019 01:36

Tgt Ion: 84 Resp: 12082

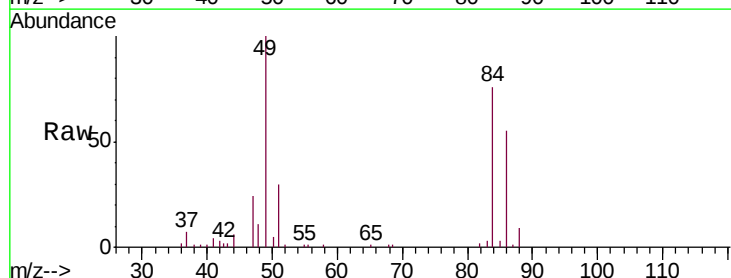
Ion Ratio Lower Upper

84 100

49 131.8 95.8 143.8

51 39.4 28.6 43.0

86 72.9 50.9 76.3



Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0

Time-->

2.80 2.90

2.84

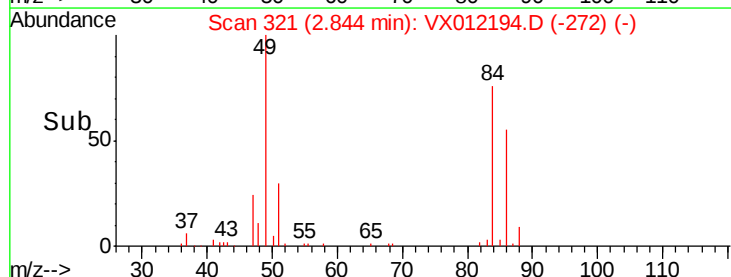
8000

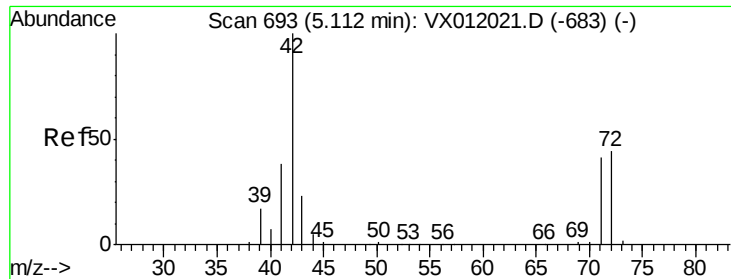
6000

4000

2000

0

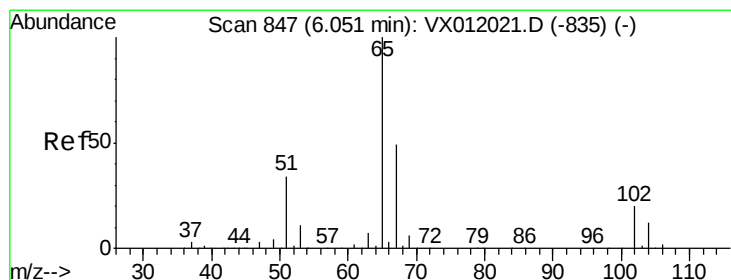
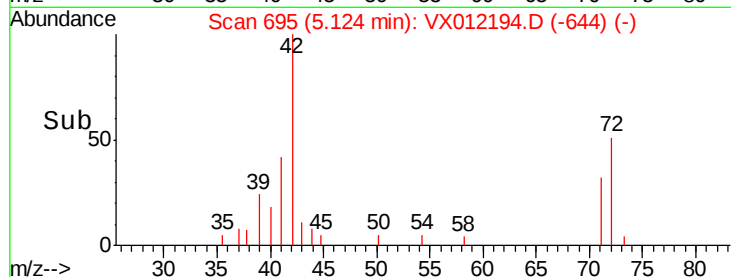
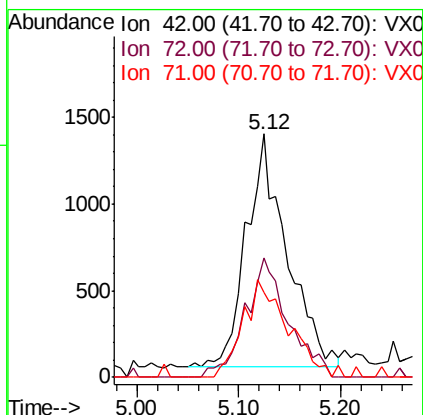
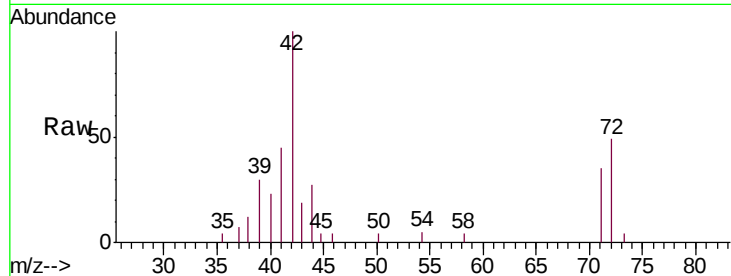




#29
Tetrahydrofuran
Concen: 9.654 ug/l
RT: 5.12 min Scan# 695
Delta R.T. 0.01 min
Lab File: VX012194.D
Acq: 08 Sep 2019 01:36

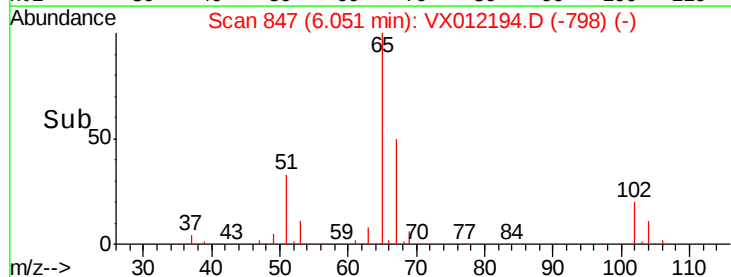
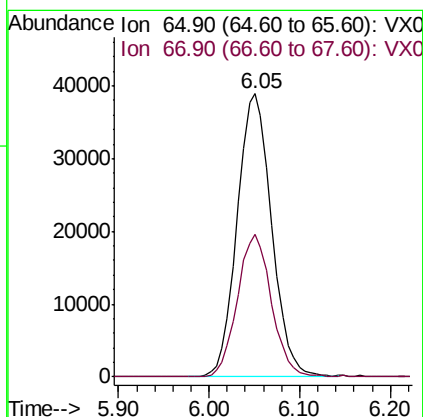
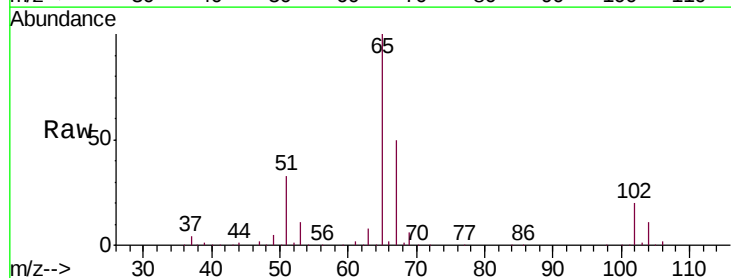
Instrument :
MSVOA_X
ClientSampleId :
PAR-D4-(0)

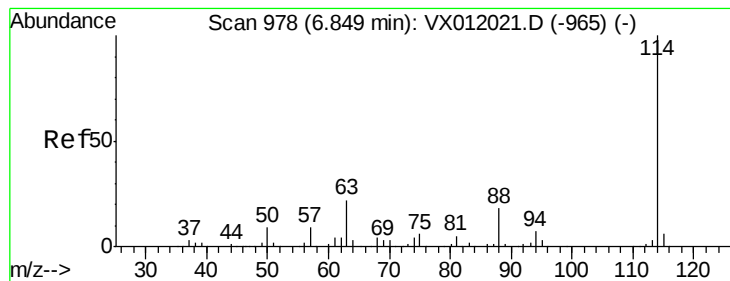
Tgt Ion: 42 Resp: 3715
Ion Ratio Lower Upper
42 100
72 54.2 37.0 55.4
71 46.9 33.8 50.8



#33
1,2-Dichloroethane-d4
Concen: 48.884 ug/l
RT: 6.05 min Scan# 847
Delta R.T. -0.00 min
Lab File: VX012194.D
Acq: 08 Sep 2019 01:36

Tgt Ion: 65 Resp: 102614
Ion Ratio Lower Upper
65 100
67 49.8 0.0 102.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. -0.00 min

Lab File: VX012194.D

Acq: 08 Sep 2019 01:36

Instrument :

MSVOA_X

ClientSampled :

PAR-D4-(0)

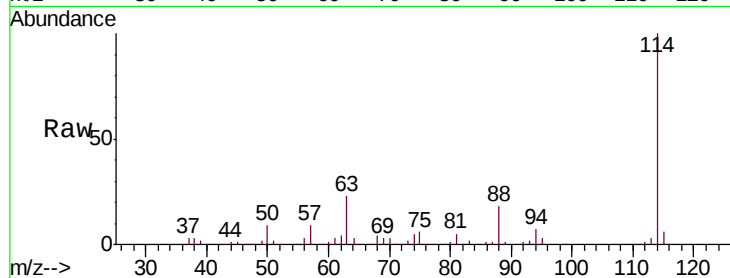
Tgt Ion:114 Resp: 262063

Ion Ratio Lower Upper

114 100

63 23.2 0.0 37.4

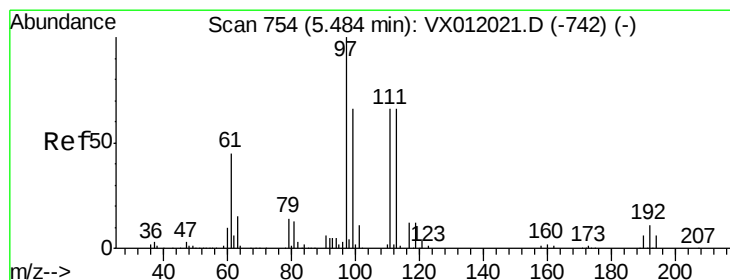
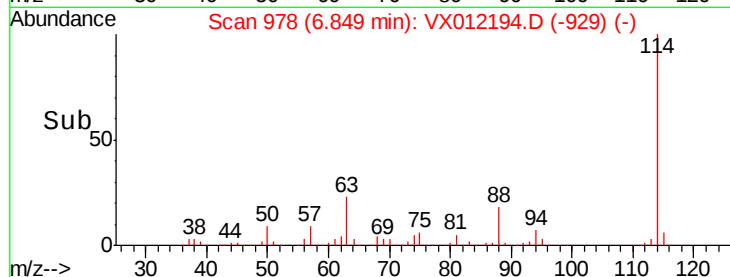
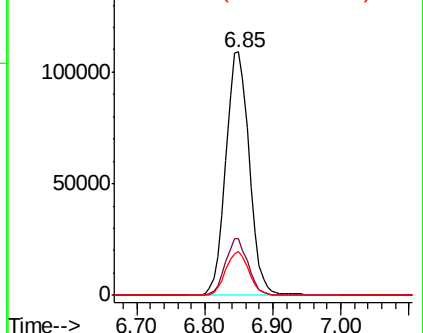
88 17.8 0.0 29.6



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0



#35

Dibromofluoromethane

Concen: 48.897 ug/l

RT: 5.48 min Scan# 754

Delta R.T. -0.00 min

Lab File: VX012194.D

Acq: 08 Sep 2019 01:36

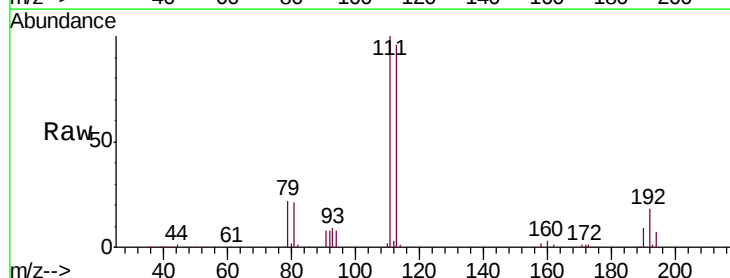
Tgt Ion:113 Resp: 78803

Ion Ratio Lower Upper

113 100

111 102.3 81.7 122.5

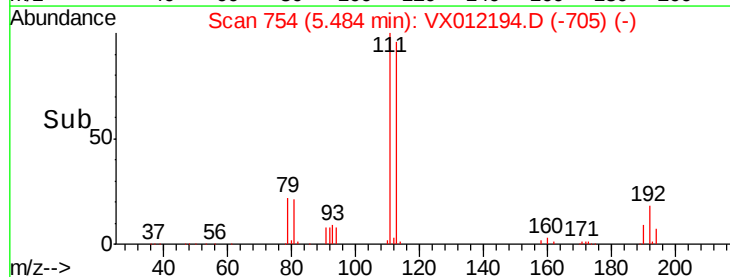
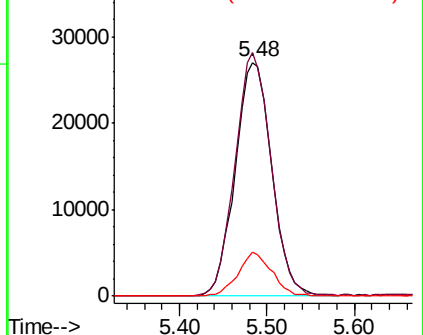
192 17.3 22.5 33.7#

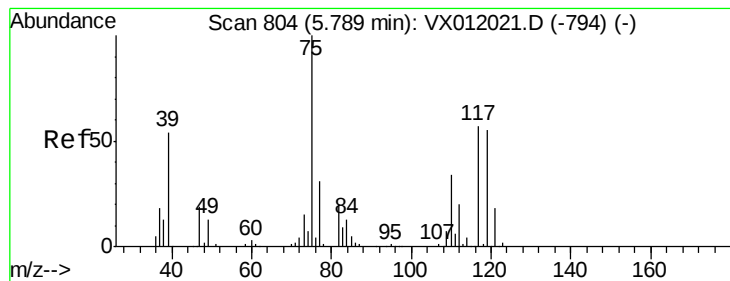


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.921 ug/l

RT: 5.64 min Scan# 780

Delta R.T. -0.15 min

Lab File: VX012194.D

Acq: 08 Sep 2019 01:36

Instrument :

MSVOA_X

ClientSampleId :

PAR-D4-(0)

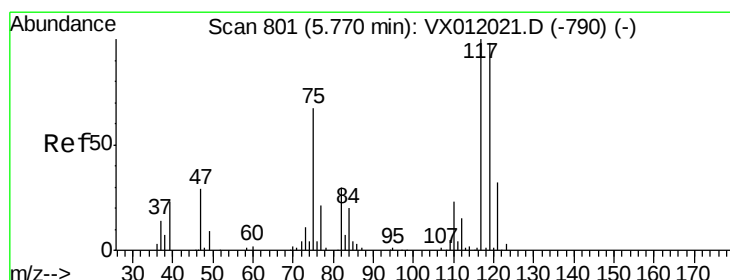
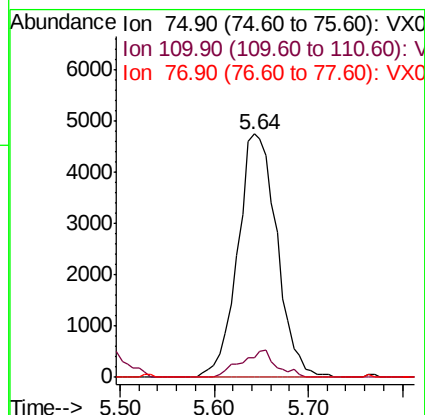
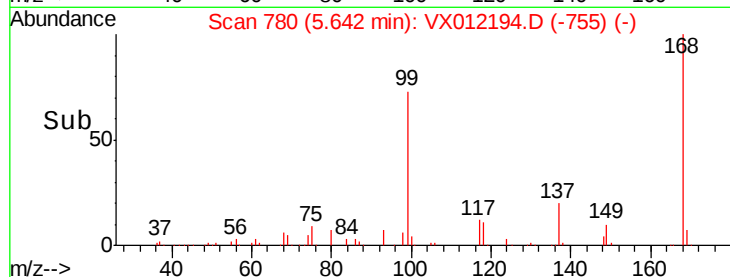
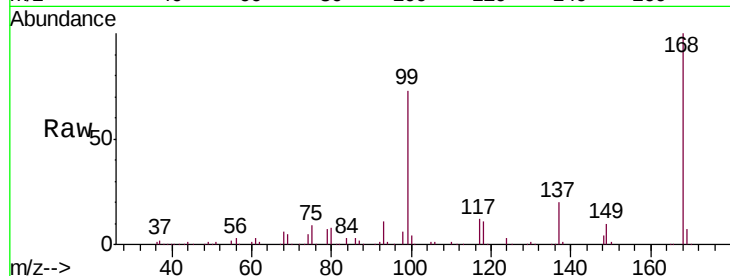
Tgt Ion: 75 Resp: 13667

Ion Ratio Lower Upper

75 100

110 10.2 19.5 58.5#

77 0.0 24.6 37.0#



#38

Carbon Tetrachloride

Concen: 7.408 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.12 min

Lab File: VX012194.D

Acq: 08 Sep 2019 01:36

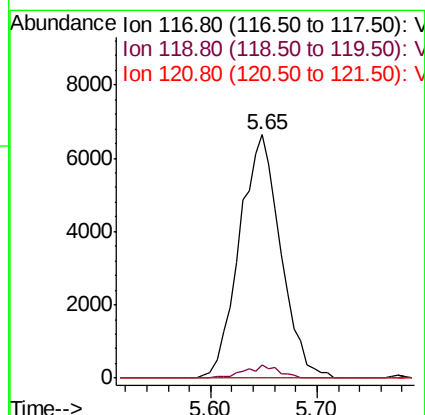
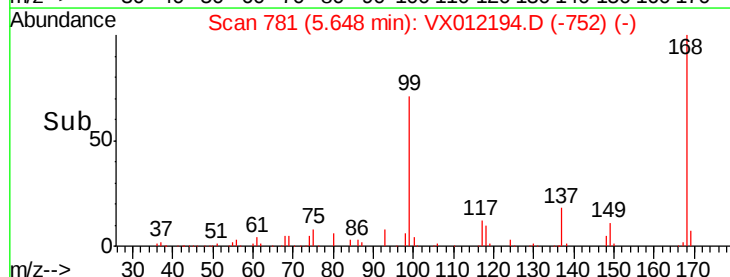
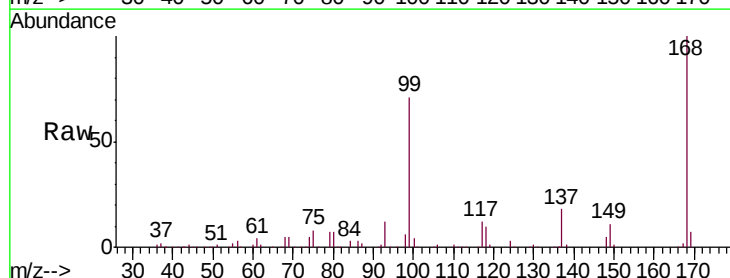
Tgt Ion: 117 Resp: 18018

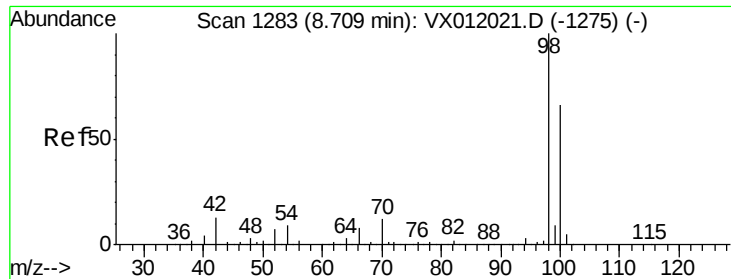
Ion Ratio Lower Upper

117 100

119 5.4 78.3 117.5#

121 0.0 24.2 36.2#

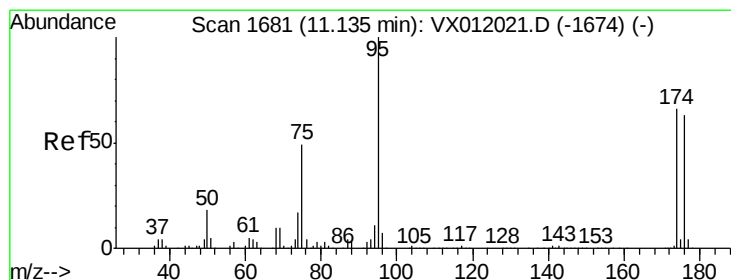
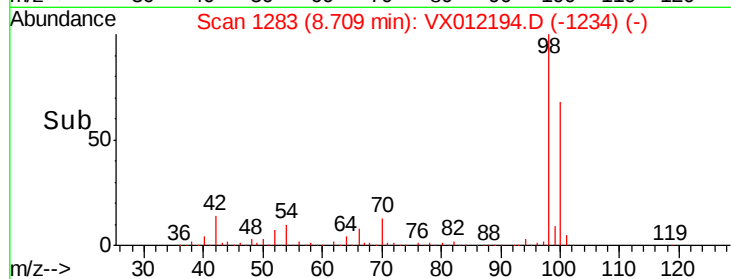
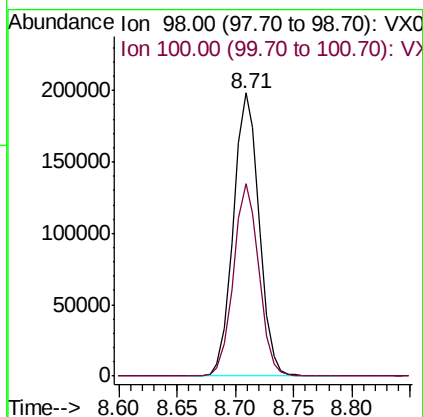
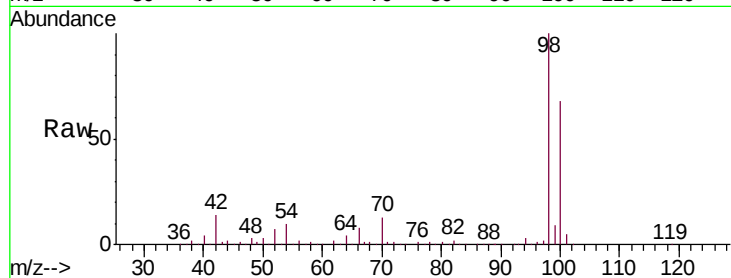




#50
Toluene-d8
Concen: 51.650 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX012194.D
Acq: 08 Sep 2019 01:36

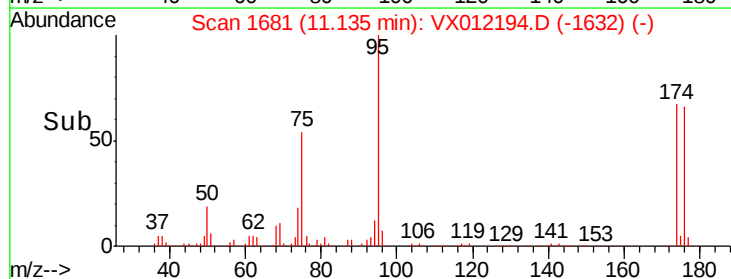
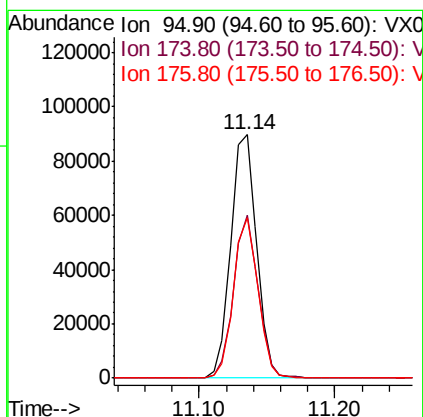
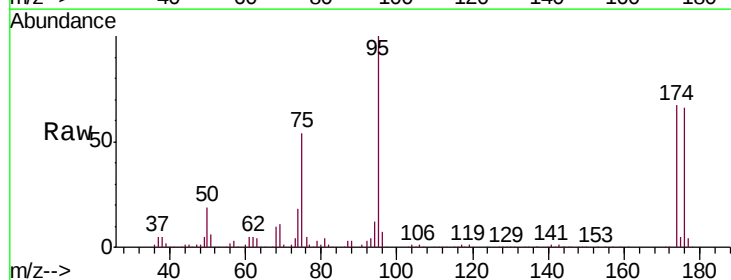
Instrument :
MSVOA_X
ClientSampleId :
PAR-D4-(0)

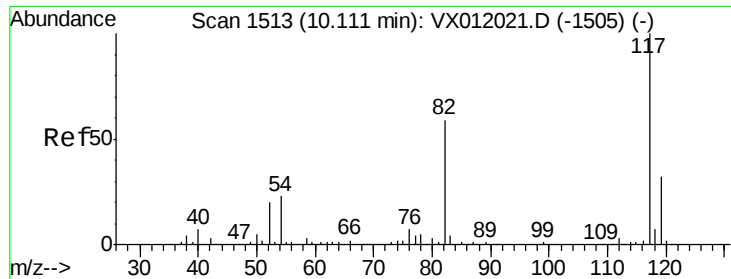
Tgt Ion: 98 Resp: 305454
Ion Ratio Lower Upper
98 100
100 67.2 53.3 79.9



#62
4-Bromofluorobenzene
Concen: 43.212 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. -0.00 min
Lab File: VX012194.D
Acq: 08 Sep 2019 01:36

Tgt Ion: 95 Resp: 118847
Ion Ratio Lower Upper
95 100
174 63.8 0.0 205.4
176 62.6 0.0 201.8

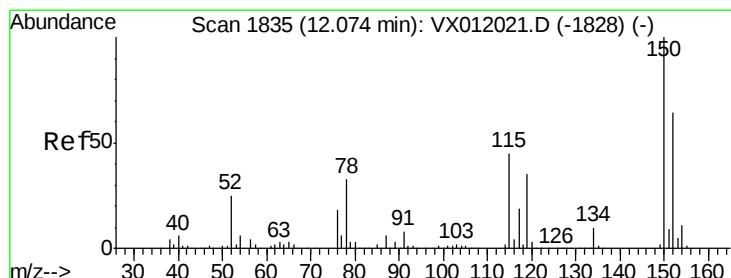
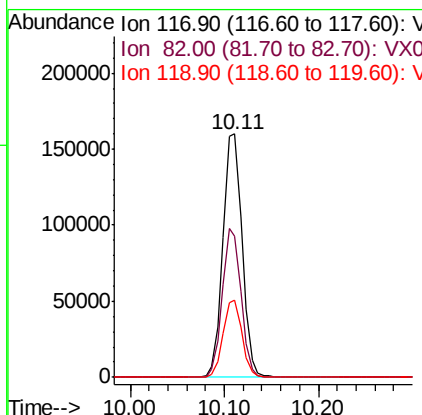
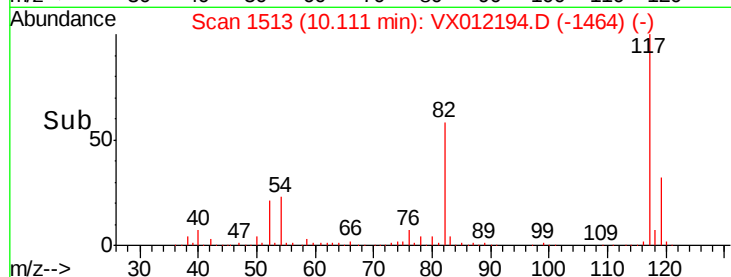
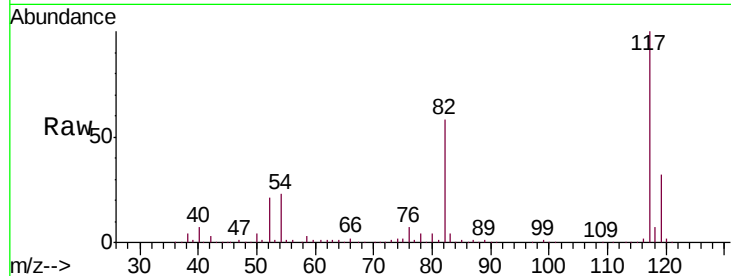




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX012194.D
Acq: 08 Sep 2019 01:36

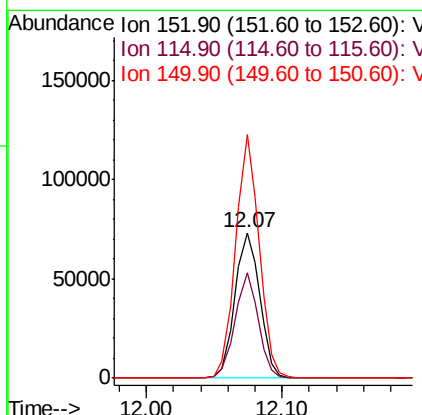
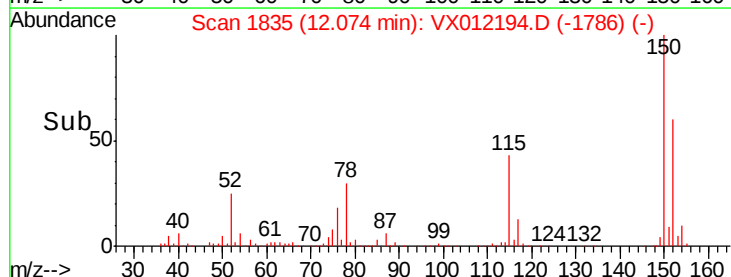
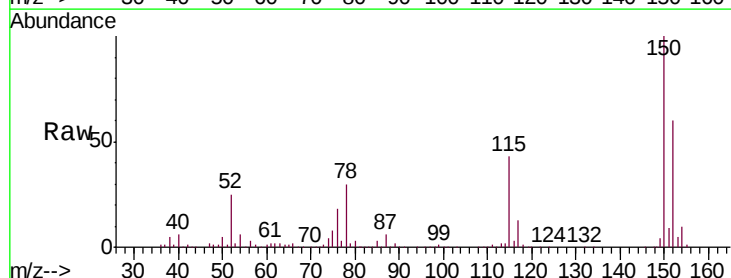
Instrument :
MSVOA_X
ClientSampleId :
PAR-D4-(0)

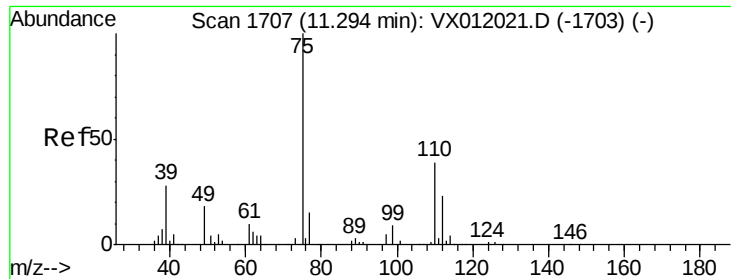
Tgt Ion:117 Resp: 226973
Ion Ratio Lower Upper
117 100
82 57.8 39.4 59.0
119 31.6 26.1 39.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX012194.D
Acq: 08 Sep 2019 01:36

Tgt Ion:152 Resp: 93350
Ion Ratio Lower Upper
152 100
115 67.9 36.4 109.3
150 158.2 0.0 341.2





#76

1,2,3-Trichloropropane

Concen: 54.792 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.16 min

Lab File: VX012194.D

Acq: 08 Sep 2019 01:36

Instrument :

MSVOA_X

ClientSampled :

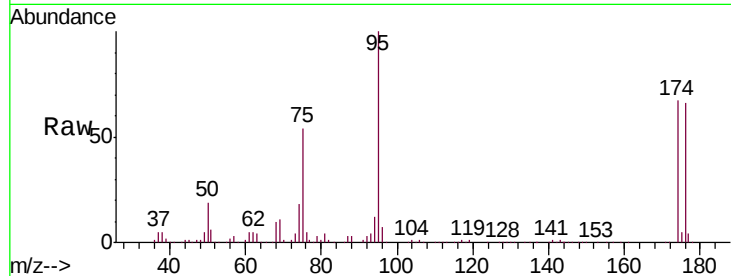
PAR-D4-(0)

Tgt Ion: 75 Resp: 62495

Ion Ratio Lower Upper

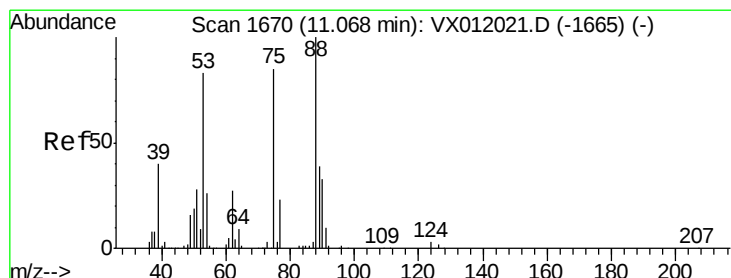
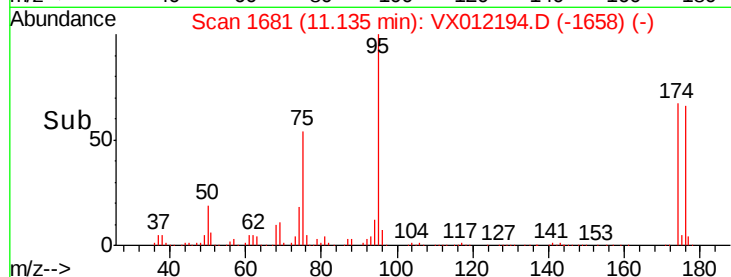
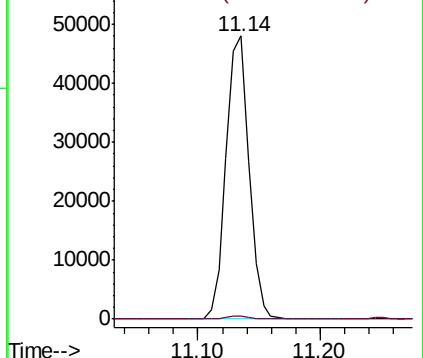
75 100

77 1.1 23.5 70.5#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0



#81

trans-1,4-Dichloro-2-butene

Concen: 129.536 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.07 min

Lab File: VX012194.D

Acq: 08 Sep 2019 01:36

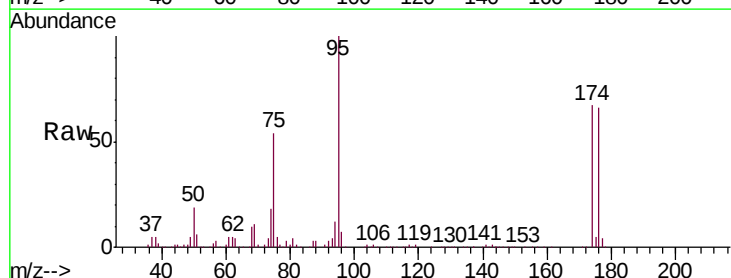
Tgt Ion: 75 Resp: 62495

Ion Ratio Lower Upper

75 100

53 0.0 78.6 117.8#

89 0.0 38.8 58.2#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

